## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended): A method of generating mask data for a set of masks used to transfer a pattern patterns for delineating a circuit pattern circuit patterns of a semiconductor integrated circuit using a projection exposure system, the method comprising:

preparing design data having a design pattern design patterns corresponding to the pattern patterns to be transferred on a semiconductor substrate;

generating resized data by enlarging the <u>design patterns of</u> the design data by a <u>predetermined</u> resizing quantity;

generating first mask data by filling a space area <u>between the enlarged design</u>

<u>patterns, the space area</u> having a <u>first</u> space width <del>of a space quantity or less of the resized data</del> <u>that is less than or equal to a predetermined space quantity</u>; and

generating second mask data, to be aligned with the first mask data, having a window portion for selectively exposing an area determined by enlarging the space area <u>between the enlarged design patterns of the resized data</u> by the resizing quantity.

2. (Currently amended): The method of claim 1, wherein the resizing quantity is larger than a half value of a difference[[,]] between a minimum line width, with which [[a]] at least one of the patterns pattern can be optically resolved by the projection exposure system, and a line width of the design pattern.

- 3. (Currently amended): The method of claim 1, wherein the space quantity is larger than [[the]] <u>a</u> minimum space width with which <del>a pattern</del> <u>at least one of the patterns</u> can be optically resolved by the projection exposure system.
- 4. (Currently amended): The method of claim 1, further comprising performing optical proximity correction on the first <u>mask data</u> and <u>the</u> second mask data respectively.
- 5. (Currently amended): The method of claim 1, further comprising:
  estimating a space width reducing quantity for reducing a <u>second</u> space width,
  the second space width being associated with [[of]] the pattern to be transferred on the
  semiconductor substrate, determined by the window portion; and
  enlarging the window portion by the space width reducing quantity.
- 6. (Currently amended): The method of claim 1, further comprising performing process proximity correction on the first <u>mask data</u> and second mask data to prevent <u>a</u> process proximity effect in a process for reducing a <u>second</u> space width of the pattern to be transferred on the semiconductor substrate.
- 7. (Currently amended) The method of claim 1, wherein preparing the design data comprises:

estimating a space width reducing quantity for reducing a <u>second</u> space width, <u>the second space width being associated with [[of]]</u> the pattern to be transferred on the semiconductor substrate, determined by the window portion; and

preparing the design data <u>based on the first space width and the second space</u>

width and having a minimum space width with which a pattern at least one of the

patterns can be optically resolved by the projection exposure system or loss.

8. (Withdrawn) A method for forming a pattern comprising: depositing a process-target film on a semiconductor substrate; depositing an underlying mask film on the process-target film; delineating a first resist film on the underlying mask film;

delineating a first resist pattern by transferring a pattern of a first mask onto the first resist film;

delineating an underlying mask pattern having narrower line width than a line width of the first resist pattern by removing a part of the underlying mask film;

delineating a second resist film on the underlying mask pattern;

delineating a second resist pattern having a window portion for exposing a part of the underlying mask pattern, by transferring a pattern of a second mask onto the second resist film; and

removing a part of the underlying mask pattern selectively, using the second resist pattern as an etching mask.

9. (Withdrawn) The method of claim 8, wherein forming the underlying mask pattern comprises:

forming a resized resist pattern by slimming the first resist pattern;

removing a part of the underlying mask film selectively, using the resized resist pattern as an etching mask; and

removing the resized resist pattern.

10. (Withdrawn) The method of claim 8, wherein forming the underlying mask pattern comprises:

forming a resized resist pattern by slimming the first resist pattern, and forming the underlying mask pattern by removing a part of the underlying mask film selectively at the same time; and

removing the resized resist pattern.

11. (Withdrawn) The method of claim 8, wherein forming the underlying mask pattern comprises;

forming a pattern of the underlying mask film by removing a part of the underlying mask film selectively with the first resist pattern as an etching mask;

removing the first resist pattern; and

forming the underlying mask pattern by slimming the pattern of the underlying mask film.

- 12. (Withdrawn) The method of claim 8, further comprising removing a part of the process-target film, using the underlying mask pattern which a part thereof is selectively removed as an etching mask.
- 13. (Withdrawn) The method of claim 8, further comprising reducing the window portion of the second resist pattern by a thermal process so as to have a smaller size than a minimum space width with which a pattern can be optically resolved by a projection exposure system, between the forming of the second resist pattern and the removing of a part of the underlying mask pattern.
- 14. (Withdrawn) The method of claim 8, further comprising, between the forming of the second resist pattern and the removing of a part of the underlying mask pattern:

  depositing an over-coat film on the second resist pattern;

forming a mixed layer covering a part of the window portion of the second resist pattern by mixing a part of the second resist pattern and a part of the over-coat film by thermal process; and

removing the over-coat film.

15. (Withdrawn) The method of claim 14, wherein the removing of a part of the underlying mask pattern removes a part of the underlying mask pattern, using the second resist pattern and the mixed layer as etching masks.

- 16. (Withdrawn) The method of claim 8, further comprising depositing an auxiliary underlying mask film on the process-target film having a higher etching rate than etching rate of the underlying mask film, between the depositing of the process-target film and the depositing of the underlying mask film.
- 17. (Withdrawn) The method of claim 16, further comprising removing a part of the auxiliary underlying mask film, using the underlying mask pattern which a part thereof is selectively removed as an etching mask.
- 18. (Withdrawn) The method of claim 8, further comprising depositing a first antireflection film on the process-target film, between the depositing of the underlying mask film and the forming of the first resist film.
- 19. (Withdrawn) The method of claim 8, further comprising depositing a second antireflection film on the first resist film, between the forming of the first resist film and the forming of the first resist pattern.
- 20. (Withdrawn) A set of masks for forming thin line portion having a line width thinner than a minimum line width which can be optically resolved by a projection exposure system by slimming a line width of a pattern transferred on a semiconductor substrate, the set of masks comprising:
  - a first mask having the thin line pattern for forming the thin line portion; and

a second mask having a window portion for removing an unnecessary portion from a pattern transferred by the first mask.